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Progress Report of the IOTC-OFCF Collaborative Project, Phase V

Sachiko Tsuji

Overseas Fishery Cooperation Foundation of Japan

**Background:**

The IOTC-OFCF Collaborative Project was established the collaboration in 2002 for the purpose of enhancing the data collection, reporting and dissemination capacity of the developing coastal states in the IOTC Area of Competence and since then, the Project has supported capacity building of around 20 countries. Phases I (April 2002 - March 2007), II (June 2007 - March 2010), III (June 2010 – March 2013), and IV (June 2014-March 2017) of the Project ran for fifteen consecutive years. Phase V of the Project for three-year activities entered into force in May 2017, following the approval of the extension of the existing Memorandum of Understandings (MOU) between the IOTC and OFCF at the 21st Session of the IOTC Commission meeting, held in Yogyakarta, Indonesia, between 22 and 26 May 2017.

A Memorandum of Understanding (MOU) between the IOTC and the OFCF was signed in June 2017, for the commencement of a Phase V, including the provision of the OFCF Project Manager to coordinate and lead the activities of the Project, with the support of staff of the IOTC Secretariat, as required. After a consultation, the IOTC and the OFCF agreed to focus its Phase V Activities on exploration of socio-economic indicators suitable to assist the IOTC resource and fishery management.

The Project Activity Proposal was developed and submitted in the early July to the IOTC and OFCF for their technical review and approval. The same document was tabled to the 13<sup>th</sup> Working Party on Data Collection and Statistics<sup>1</sup>. After the long process of administrative clearance and technical consultation, it was agreed that the Phase-V project would aim to identify appropriate socio-economic indicators to support the integrated management of the IOTC resources and fisheries and its long-term sustainability including the social and economic aspects. The project focuses on i) reviewing the existing information and ii) evaluating the feasibility and utility of Fishery Satellite Account through experimental compilations.

This documents briefly summarizes the project progress up to now corresponding to the work plan established in December 2017 covering the activities until the end of 2018 Japanese fiscal year (end of March, 2019) as attached as Appendix 1.

**Overview on the project progress:**

The project work plan contained 4 components:

- Review the existing fisheries-related economic information (desk-top studies)
- Experimental compilation of Fishery Satellite Account in the Seychelles
- Experimental compilation of Fishery Satellite Account in Indonesia
- Enhancement of Indonesian data collection, processing and analyzing capacity

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<sup>1</sup> WPDCS13-40: IOTC-OFCF Collaborative Project Phase V activity – Enhancement of capacity to evaluate socio-economic contribution of the IOTC tuna fisheries (S. Tsuji)

Progress status of each component is as follows:

Component 1: Review the existing fisheries-related economic information

Although the planned mission to coordinate with the UNCEA was not realized, the project consulted and coordinated with various organizations who may be interested in/ or responsible for monitoring social and economic aspects of fisheries, taking various opportunities. The organizations/ projects consulted include FAO, World Bank SWIOFish-3 project, WTO, IRD, IORA, and University of Nantes in France.

The project also compiled the statistics disseminated by FAO in order to estimate the value of tunas and other large pelagic fish catch taken in the IOTC area and corresponding cash earning through export of fish and fish commodities, for individual IOTC CPCs. The estimation methodology is exactly the same as used for calculating the economic indicator in the ICCAT framework, who at the end conclude it better to show this indicator according to whether these two measurements showed substantial decline or not. Corresponding schematic figure is attached as Appendix 2.

This component was progressed more or less as planned, with slight delay and some modifications in consulting agencies.

Component 2: Experimental compilation of Fishery Satellite Account in the Seychelles

Prior to the project implementation, the Ministry of Fisheries and Agriculture, the Seychelles and OFCF signed the agreement to conduct project activity in March 2018. The technical core team was established with the participation of National Bureau of Statistics (NBS), Ministry of Fishery and Agriculture, Seychelles Fishing Authority, Central Bank of Seychelles, Blue Economy Department of Vice President's Office, and Indian Ocean Tuna Ltd.

The technical core team held one preparatory meeting and five team meetings. Together with works conducted in-between period, the team succeeded to complete the initial compilation of Fishery Satellite Account. The team also proposed a revision of the existing SNA to incorporate the industrial fisheries component. Those results were tabled to the WPDCS<sup>2</sup>.

The team has started exploring social indicators suitable for monitoring and measuring social aspects of fisheries management impacts. The rest of time of the project would be utilized in order to institutionalize the compilation mechanism into the NBS in order to enable annual compilation of Fishery Satellite Account in the future.

This component achieved the original planned activities and showed the further progress.

Component 3: Experimental compilation of Fishery Satellite Account in Indonesia

Indonesian authority indicated interest to implement this component of the project and together with the OFCF, it established the agreed document of project arrangement covering both Components 3 and 4 in the early July. However, the final clearance could not be made until the late October. Since it is obvious not possible all the committed activities within the remaining project period and the OFCF has a constraint not be able to commit activities across multiple

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<sup>2</sup> IOTC-WPDCS14-29: Development of the Fishery Satellite Account in the Seychelles (Bistoquet *et al.*)

fiscal years, both agreed to postpone the initiation of project implementation until the time when the fund availability of the next fiscal year would be confirmed.

Due to this delay of establishing project arrangement, this component has not made any substantial progress other than preparatory work.

Component 4: Enhancement of Indonesian data collection, processing and analyzing capacity

Although the situation is the same as Component 3, the project succeeded to consult with various institutions that are conducting and involved in collection, processing and analysis of catch, effort and other fishery related information. This includes “One Data” project group, the Fisheries Research Center both in Bali and Jakarta, Fisheries Management Divisions, and Port Control Offices. These informal consultations helped to identify the problems and possible areas of improvements for developing enhancement plan when the project arrangement would be formalized.

Due to this delay of establishing project arrangement, this component has not made any substantial progress other than preparatory work.

## Appendix 1. Detailed project work plan for the FY 2018

	2018											2019		
	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	
<b>Component 1: Review of fisheries-related economic activities information in the existing SNAs and evaluation of feasibility of developing rough compilation of fisheries/ tuna resource use economic contribution (desk-top studies)</b>														
Data mining (UNCEA) incl. one mission														
Data mining (IOTC, FAO, WTO, etc) through web and communications														
Desk-top analysis, initial report preparation, consultation with collaborative partners (IOTC, UNCEA)														
Document submission to the WPEB with preliminary results, participation to the WP (one-mission)														
Document submission to other WPs/SC (to be determined)														
<b>Component 2: Recompilation of Seychelles SNA in terms of fisheries-related activities</b>														
Develop a document summarizing the current SNA procedure, the methodologies used in previous exercises for fisheries accountings, and the issues and data gaps identified at that time (work together with NBS/ SFA)														
Introductory meeting - reporting the main findings from the review process, defining the boundary of fisheries-related activities to be included and that of components for further separation, and identifying the area of focus for improvement.														
Prepare initial proposal of methodologies														
Define the basic concepts and methodologies based on the initial proposal (WS w technical expert)														
Collection of required information														
First experimental compilation, review of the results, identification of problems and develop recommendation for the future (if possible and appropriate, to conduct the second round compilation in 2019)														
Prepare national report for submission to the IOTC SC/WPDCS (to be determined)														
<b>Component 3: Recompilation of Indonesian SNA in terms of fisheries-related activities</b>														
Develop a document summarizing the current SNA procedure, the current “One														

Data” data collection methods, the methodologies used in previous exercises for fisheries accountings, and the issues and data gaps identified at that time (work together with KKP/ BRS)																				
Introductory workshop - Main objectives and a range of activities covered with the satellite Introductory meeting - reporting the main findings from the review process, defining the boundary of fisheries-related activities to be included and that of components for further separation, and identifying the area of focus for improvement.																				
Prepare initial proposal of methodologies																				
Define the basic concepts and methodologies based on the initial proposal (WS w technical expert, if required)																				
First experimental compilation, review of the results, identification of problems and develop recommendation for the future (if possible and appropriate, to conduct the second round compilation in 2019)																				
Prepare national report for submission to the IOTC SC/WPDCS (to be determined)																				
<b>Component 4: Enhancement of Indonesian data processing and analysing capacity (to be determined through the consultation with KKP)</b>																				
Develop a document summarizing the existing data collection systems and data availability, including the “One Data” data collection methods, the fisheries census, and other fisheries-related data collection (e.g. port samplings, logbooks, observer data); (work together with KKP/ BRS)																				
Develop a plan for enhancing the KKP capacity of data processing and reporting, possibly including an upgrade of the PELAGOS (port sampling data processing system) in a harmonized with One-Data database, an introduction of direct data reporting through mobile, and data processing to compile basic statistics to submit the IOTC (based on the requirement of KKP)																				
Implementation of the agreed enhancement plan																				

Appendix 2 Trend in economic value obtained from the IOTC resource use for the individual IOTC CPCs. Red indicated the decline in both cash earning and production values, yellow corresponding to one measure decline and green as others. The methodology is the same as used in the ICCAT Eco-card calculation.

	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Australia			0	0	0	0	0	0	0	2	2	1	0	1	0	1	0	0	0	2	0	2	0
Bangladesh																							
CHINA, People's Rep. of					2	0	1	1	0	0	0	1	2	2	0	2	0	2	0	0	0	0	1
Comoros								0	1	1	0	1	0	0	0	1	1	0	0	0	0	0	0
Eritrea	0	0	0	0	1	0	2	1	2	1	1	1	0	0	0	1	1	1	1	1	1	1	0
EUROPEAN UNION			0	0	0	0	1	0	0	0	0	0	0	2	0	2	0	0	1	0	2	1	0
France			1	0	1	0	1	1	0	0	0	1	0	0	0	2	1	0	0	0	1	1	0
Guinea												2	1	1	0	2	2	2	0	1	1	0	0
India		1	1	0	1	0	1	1	0	2	0	0	0	0	0	0	2	0	0	0	2	1	1
Indonesia													0	0	0	0	0	0	0	0	2	0	0
Iran (Islamic Rep. of)									2	2	1	1	0	1	0	0	0	1	0	2	0	1	0
Japan		1	0	0	1	1	1	2	1	0	1	0	0	2	2	2	0	0	1	0	1	0	1
Kenya												0	1	1	1	0	1	1	0	0	1	0	2
Korea, Republic of	✓	×	×	×	×	2	✓	×	×	×	2	✓	0	×	2	✓	0	!	1	×	2	!	1
Madagascar		0	1	1	1	1	0	0	1	1	1	1	0	0	1	2	0	0	2	0	1	2	2
Malaysia				0	1	0	2	0	1	1	0	1	0	0	1	2	2	1	1	0	1	0	0
Maldives																	0	0	1	1	0	0	0
Mauritius	1	1	1	0	1	1	1	1	1	0	0	1	0	1	0	0	0	0	0	0	0	1	0
Mozambique																			2	2	0	2	0
Oman						0	0	0	1	1	0	0	0	2	2	2	2	0	2	1	1	0	0
Pakistan		1	2	1	2	0	1	2	1	2	1	1	0	1	1	0	0	0	1	0	1	0	1
Philippines											1	0	1	0	0	2	2	2	0	2	2	2	0
Seychelles	2	0	0	0	0	0	0	0	0	1	0	0	1	1	0	0	1	0	0	0	1	1	0
Sierra Leone															0	0	0	0	0	0	0	0	0
Somalia																					0	0	0
South Africa																							2
Sri Lanka	2	0	0	0	2	0	1	0	1	0	0	1	0	0	0	0	0	0	0	1	0	2	0
Sudan			0	0	1	0	2	0	2	1	0	0	0	0	1	0	0	1	0	1	1	2	0
Tanzania, United Rep. of															1	0	2	0	0	1	2	2	0
Thailand				1	1	1	0	0	0	0	1	0	0	1	1	1	2	0	1	2	0	1	1
United Kingdom			0	0	0	0	0	0	0	0	0	0	1	1	1	1	2	0	1	1	0	2	1
Yemen																			1	2	0	1	1
Liberia																							0
Senegal													0	2	0	0	0	0	0	0	2	0	0
Taiwan Province of China	2	0	0	0	2	0	0	0	2	2	0	2	2	0	2	0	0	0	0	2	2	1	0

